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Substitute for form 1449A-B/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	10/828,510
Filing Date	April 19, 2004
First Named Inventor	Stefan Zimmermann
Group Art Unit	3736
Examiner Name	Unassigned
Attorney Docket Number	313S-300710US
Date Submitted	September 7, 2004

## U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appeal
		Number	Kind Code (if known)			
✓✓✓	01	6,091,976		Pfeiffer et al.	07-18-2000	
✓✓✓	02	6,406,638		Stoeber et al.	06-18-2002	

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
✓✓✓	03	BAKER et al. (1999) "Fluid mechanics analysis of a spring-loaded jet injector," <i>IEEE Transactions on Biomedical Engineering</i> , 46 (2), February 1999, pp. 235-242.	
	04	CHEYNE et al. (2002) "Making 'sense' of diabetes: using a continuous glucose sensor in clinical practice," <i>Diabetes Metab Res Rev</i> , 18 (Suppl. 1) pp. 543-548.	
	05	FRECKMANN et al. (2001) "Recent advances in continuous glucose monitoring," <i>Exp Clin Endocrinol Diabetes</i> , 109, Suppl 2: S347-S357.	
	06	FRECKMANN et al. (2002) "Measurement of the Postprandial Physiological Time Lag Between Whole Blood- and Subcutaneous Tissue Glucose Traces Following Meals in Type 1 Diabetic Patients," Poster-Number 553; <i>PS 37 Insulin Action, 38<sup>th</sup> EASD Annual Meeting</i> , Budapest, Hungary, 1-5 September 2002.	
	07	HOSS et al. (2001) "A Novel Method for Continuous Online Glucose Monitoring in Humans: The Comparative Microdialysis Technique," <i>Diabetes Technology &amp; Therapeutics</i> , Vol. 3, No. 2, pp. 237-243.	
	08	ICHIMURA (1984) "A Convenient Photochemical Method to Immobilize Enzymes," <i>Journal of Polymer Science: Polymer Chemistry Edition</i> , John Wiley & Sons, Vol. 22, pp. 2817-2828, (1984).	
	09	KALATZ et al. (2000) "Feedback-Regulation of Subcutaneous Insulin Infusion by Continuous Subcutaneous Glucose Measurement," <i>Acta Diabetol</i> 37:164 (abstract).	
✓	10	KENDALL et al. (2000) "Transdermal ballistic delivery of Micro-particles: Investigation into skin penetration," <i>Proceedings of the 22<sup>nd</sup> Annual EMBS International Conference</i> , July 23-28, Chicago, IL, USA, pp. 1621-1624, 2000.	
✓	11	LEE et al. (2000) " <i>In vivo</i> transdermal delivery using a shock tube," <i>Shock Waves</i> , 10, pp. 307-311, 2000.	

Examiner Signature	<i>Karen T. H.</i>	Date Considered	1/31/07
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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<i>Kent</i>	12	LOPEZ (2002) "In situ fabricated microdialysis microchannels with biofouling prevention employing electrical methods," Thesis Proposal Draft, The Robotics Institute, Carnegie Mellon University, July 2002.	
	13	NGUYEN et al. (2002) "MEMS-Micropumps: A Review," <i>Journal of Fluids Engineering, Transactions of the ASME</i> , Vol. 124, pp. 384-392..	
	14	PARANJAPE et al. (2002) "Dermal thermo-poration with a PDMS-based patch for transdermal biomolecular detection," <i>Technical Digest of the Solid-State Sensor, Actuator, and Microsystems Workshop 2002</i> , Hilton Head Island, SC, USA, June 2-6, pp. 73-76, 2002.	
	15	PFEIFFER et al. (2002) "A Novell Selfcalibrating Method for Continuous Online Determination of Subcutaneous Tissue Glucose, based on the Microdialysis Technique," Poster #98, <i>Second Annual Diabetes Technology Meeting</i> , October 31 - November 02, 2002, Atlanta, Georgia USA.	
	16	PFEIFFER et al. (2002) "A Mathematical Index of Short Term Time Courses of Continuous Glucose Traces," Poster-Number 861; <i>PS 68 Alternative Site Glucose Testing, 38<sup>th</sup> EASD Annual Meeting</i> , Budapest, Hungary, 1-5 September 2002.	
	17	PFEIFFER et al. (2002) "Increasing the linearity of enzyme-based amperometric glucose sensors by adding perfluorcarbon emulsions to the reaction," Poster #99, <i>Second Annual Diabetes Technology Meeting</i> , October 31 - November 02, 2002, Atlanta, Georgia, USA.	
	18	PITZER et al. (2001) "Detection of Hypoglycemia with the GlucoWatch Biographer", <i>Diabetes Care</i> , Vol. 24, No. 5, pp. 881-885.	
	19	XINGLONG et al. (2001) "Particle acceleration for delivery deoxyribonucleic acid vaccine into skin <i>in vivo</i> ," <i>Review of Scientific Instruments</i> , 72 (8), pp. 3390-3395, 2001.	
	20	ZAHN (2001) "Microfabricated Microneedles for Minimally Invasive Drug Delivery, Sampling and Analysis," Dissertation, Ph.D. Engineering-Bioengineering, UC Berkeley and UC San Francisco, Spring 2001.	
	21	ZAHN et al. (2000) "Microfabricated Microdialysis Microneedles for Continuous Medical Monitoring," <i>1<sup>st</sup> Annual International IEEE-EMBS Special Topic Conference on Microtechnologies in Medicine &amp; Biology</i> , October 12-14, 2000, Lyon, France.	
	22	ZAHN et al. (2001) "An Integrated Microfluidic Device for the Continuous Sampling and Analysis of Biological Fluids," <i>Proceedings of 2001 ASME International Mechanical Engineering Congress and Exposition</i> , November 11-16, New York, NY, USA.	
✓	23	ZAHN et al. (2001) "Continuous on-chip micropumping through a microneedle," <i>14<sup>th</sup> Annual IEEE International MEMS-01 Conference</i> , pp. 503-506	

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